

Applicant: Qin et al.
Serial No.: 10/684,202

PATENT
Atty Docket: 110000-9428

AMENDMENTS TO THE CLAIMS

Please amend claims 9, 21 and 29 as set forth below.

LISTING OF CLAIMS

1-8. (Canceled).

9. (Currently amended) A method of making an optical article comprising: providing a substantially optically isotropic thermoplastic sheet as a protective layer; applying a polarizing film against said substantially optically isotropic thermoplastic sheet; applying a thermoplastic support sheet against said polarizing film to form a polarizing plate; placing said polarizing plate into an eye lens mold and injecting a molten thermoplastic material against said support sheet and thereby thermally fusing said thermoplastic support sheet to an injection molded [thermoplastic] polycarbonate lens base.

10. (Original) The method of making an optical article of claim 9 wherein the protective layer comprises a thermoplastic selected from the following group: a cellulose ester, a polyacrylate, or a cycloolefin copolymer.

11. (Original) The method of making an optical article of claim 9 wherein the support layer is a polycarbonate sheet.

12. (Original) The method of making an optical article of claim 9 wherein the protective layer is a cellulose ester sheet, and the support layer is a polycarbonate sheet.

Applicant: Qin et al.
Serial No.: 10/884,202

PATENT
Atty Docket: 110000-9428

13. (Original) The method of making an optical article of claim 9 wherein the protective layer is a polyacrylate having a glass transition temperature of higher than 80.degree. C., and the support layer is a polycarbonate sheet.

14. (Original) The method of making an optical article of claim 9 wherein said polarizing film is a polyvinyl alcohol film doped with at least one dichroic dye.

15. (Original) The method of making an optical article of claim 9 wherein said polarizing film is a polyvinyl alcohol film containing polyvinylene light polarizing elements.

16. (Original) The method of making an optical article of claim 9 wherein said polarizing film is a poly(ethylene terephthalate) film with at least one dichroic dye.

17-20. (Canceled).

21. (Currently amended) A method of making an optical article comprising:

providing a polarizing film comprised of polarization layer disposed between a substantially optically isotropic thermoplastic protective layer and a thermoplastic support layer;

placing said polarizing film into a mold;

injecting a molten [thermoplastic] polycarbonate material against said support layer;

allowing said molten [thermoplastic] polycarbonate material to cool such that a lens base is thermally fused to said polarizing film.

22. (Previously presented) The method of making an optical article of claim 21 wherein the protective layer comprises a thermoplastic selected from the following group: a cellulose ester, a polyacrylate, or a cycloolefin copolymer.

Applicant: Qin et al.
Serial No.: 10/684,202

PATENT
Atty Docket: 110000-9428

23. (Previously presented) The method of making an optical article of claim 21 wherein the support layer is a polycarbonate sheet.

24. (Previously presented) The method of making an optical article of claim 21 wherein the protective layer is a cellulose ester sheet, and the support layer is a polycarbonate sheet.

25. (Previously presented) The method of making an optical article of claim 21 wherein the protective layer is a polyacrylate having a glass transition temperature of higher than 80.degree. C., and the support layer is a polycarbonate sheet.

26. (Previously presented) The method of making an optical article of claim 21 wherein said polarization layer is a polyvinyl alcohol film doped with at least one dichroic dye.

27. (Previously presented) The method of making an optical article of claim 21 wherein said polarization layer is a polyvinyl alcohol film containing polyvinylene light polarizing elements.

28. (Previously presented) The method of making an optical article of claim 21 wherein said polarization layer is a poly(ethylene terephthalate) film with at least one dichroic dye.

29. (Currently amended) A method of making an polarized optical article comprising:

providing a polarizing film comprised of polarization layer disposed between a substantially optically isotropic thermoplastic protective layer and a thermoplastic support layer;

placing said polarizing film into a mold;

injecting a molten [thermoplastic] polycarbonate material against

Applicant: Qin et al.
Serial No.: 10/684,202

PATENT
Atty Docket: 110000-9428

said support layer and thereby causing said polarizing film to conform to a lens contour of said mold without substantially degrading the substantially optically isotropic nature of said thermoplastic protective layer;

allowing said molten [thermoplastic] polycarbonate material to cool such that a lens base is thermally fused to said polarizing film.

30. (Previously presented) A method according to claim 29, wherein the providing of a polarizing film includes providing a film where the protective layer and the support layer are substantially the same thickness.

31. (Previously presented) A method according to claim 30, wherein the providing of a polarizing film includes providing a film where the protective layer and the support layer have a thickness within the range of .02mm to 1.3mm.

32. (Previously presented) A method according to claim 29, wherein the providing of a polarizing film includes providing a film where the retardance of the protective layer is less than about 200nm.

33. (Previously presented) A method according to claim 29, further comprising grinding said lens base such that said optical article achieves a desired prescription.

34. (Previously presented) A method according to claim 29, wherein the placing of said polarizing film into a mold includes placing said polarizing film into a mold for making a multifocal lens.

35. (Previously presented) A method according to claim 29, wherein the providing of a polarizing film includes providing a film where the protective layer is comprised of a thermoplastic selected from the following group: a cellulose ester, a polyacrylate, or a cycloolefin copolymer.

Applicant: Qin et al.
Serial No.: 10/684,202

PATENT
Atty Docket: 110000-9428

36. (Previously presented) A method according to claim 29, wherein the providing of a polarizing film includes providing a film where the support layer is a polycarbonate sheet.